

Title (en)
DUAL BAND SPACE-FED ANTENNA ARRAY

Title (de)
RAUMGESPEISTE GRUPPENANTENNE FÜR ZWEI BÄNDER

Title (fr)
RÉSEAU À DEUX BANDES ALIMENTÉ PAR VOIE SPATIALE

Publication
EP 2070158 A2 20090617 (EN)

Application
EP 07870733 A 20070801

Priority
• US 2007017265 W 20070801
• US 49955906 A 20060804

Abstract (en)
[origin: US2008030416A1] A dual-band, space fed antenna array includes a feed array with a first set of feed radiators for operation in a first frequency band of operation and a second set of feed radiators for operation in a second frequency band of operation. A primary array lens assembly is spaced from and illuminated by the feed array. The primary array lens includes a first set of radiator elements and a second set of radiator elements operable in the first frequency band of operation. The primary array lens assembly also includes a third set of radiator elements and a fourth set of radiator elements operable in the second frequency band of operation.

IPC 8 full level
H01Q 1/12 (2006.01); **H01Q 1/28** (2006.01); **H01Q 3/46** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/42** (2015.01); **H01Q 21/00** (2006.01)

CPC (source: EP US)
H01Q 1/1292 (2013.01 - EP US); **H01Q 1/286** (2013.01 - EP US); **H01Q 3/46** (2013.01 - EP US); **H01Q 5/42** (2015.01 - EP US); **H01Q 13/08** (2013.01 - EP US); **H01Q 13/085** (2013.01 - EP US); **H01Q 21/0018** (2013.01 - EP US); **H01Q 21/064** (2013.01 - EP US); **H01Q 21/065** (2013.01 - EP US)

Citation (search report)
See references of WO 2008066591A2

Cited by
EP3840122A1; FR3105613A1; US11483017B2

Designated contracting state (EPC)
DE FR GB

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2008030416 A1 20080207; US 7336232 B1 20080226; EP 2070158 A2 20090617; EP 2070158 B1 20160316; IL 196879 A0 20091118; IL 196879 A 20121031; WO 2008066591 A2 20080605; WO 2008066591 A3 20080717

DOCDB simple family (application)
US 49955906 A 20060804; EP 07870733 A 20070801; IL 19687909 A 20090203; US 2007017265 W 20070801